Page 1 of 1 APPLICATION NO. ATTY, DOCKET NO. FORM PTO_1418 2 0 2004 10/790,766 2072.0010008 FIRST NAMED INVENTOR MICHELLE HANNA FIRST SUPPLEMENTAL **ART UNIT** FILING DATE 1637 INFORMATION DISCLOSURE STATEMENT March 3, 2004 U.S. PATENT DOCUMENTS DOCUMENT **EXAMINER** FILING DATE CLASS SUB-CLASS NAME DATE NUMBER INITIAL AA3 AB3 AC3 AD3 AE3 AF3 Kramer et al. AG3 5,503,979 04/1996 YK 09/2000 Cole et al. AH3 6,114,519 YK Mortensen et al. 11/2002 2002/0168641 AI3 YK AJ3 AK3 **FOREIGN PATENT DOCUMENTS** DOCUMENT **EXAMINER** TRANSLATION CLASS SUB-CLASS COUNTRY DATE INITIAL NUMBER Yes No AL Yes No ΑM Yes No AN Yes No AO Yes No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) YK Cheung et al., "A Resource of Mapped Human Bacterial Artificial Chromosome Clones," AR <u>21</u> Genome Research 9:983-993, Cold Spring Laboratory Press (1999). Sasaki et al., "Transcriptional sequencing: A method for DNA sequencing using RNA polymerase" Proc. Nat'l Acad. Sci. USA 95:3455-3460 (1998). YK AS 21 AT 21 DATE CONSIDERED **EXAMINER** EXAMINER: Initial lifeterence considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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//	AB1	4,351	,760	09/1982	Khanna et al.	•				
	AC1	4,582	2,788	04/1986	Erlich					
	AD1	4,683	3,194	07/1987	Saiki et al.	_	_			
	AE1	4,739	0,044	04/1988	Stabinsky					
	AF1	4,757	7,141	07/1988	Fung et al.					
	AG1	4,786	6,600	11/1988	Kramer et al.					
	AH1	5,130	0,238	07/1992	Malek et al.	_				
	Al1	5,169	9,766	12/1992	Schuster et al.		_			
	AJ1	5,508	3,178	04/1996	Rose et al.				· ·	
	AK1	5,595	5,891	01/1997	Rose et al.		4	$\overline{}$		
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	AS	1	Chamberlin, M.J., "Bacterial DNA-Dependent RNA Polymerases," in <i>The Enzymes</i> , Boyer, P.D., ed., Academic Press, New York, N.Y. pp. 61, 84-86 (1982)							
	AT	1	Costas, C., e	<i>t al.</i> , "RNA-prot king ATP anald	ein crosslinking to AMP resions," <i>Nucleic Acids Res. 28</i> :18	349-1858,	Oxford	d University P	ress (May 2000)	
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		AC2	5,679	,512	10/1997	Laney et al.		_		1	
		AD2	5,683	,879	11/1997	Laney et al.				 	
		AE2	5,744	,308	04/1998	Guillou-Bonnici et al.			 		
		AF2	5,766	,849	06/1998	McDonough et al.		_		+	
		AG2	5,824	,517	10/1998	Cleuziat et al.				+-	-
		AH2	5,858	,801	01/1999	Brizzolara					
		Al2	6,008	,334	12/1999	Hanna		+		_	
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		AK2	6,107	,039	08/2000	Hanna					
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		AS	2	Dunn, J.J Locations	Dunn, J.J., and Studier, F.W., "Complete Nucleotide Sequence of Bacteriophage T7 DNA and the Locations of T7 Genetic Elements," <i>J. Mol. Biol.</i> 166:477-535, Academic Press, Inc. (1983)						
	/	AT	2	Gait, M.J. Oxford Ur	Gait, M.J., et al., "Oligoribonucleotide synthesis," in <i>Oligonucleotides and Analogues</i> , Eckstein, F., ed., Oxford University Press, Oxford, Great Britain, pp. 25-31 (1992)						
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	, 1	A3	5,399,491	03/21/95	Kacian et al.					03/19/92	
7		AB3	5,888,819	03/30/99	Goelet et al.			1		03/05/91	
	- 1	AC3	5,554,516	09/10/96	Kacian et al.					12/02/93	
	1	AD3	5,571,669	11/05/1996	Lu et al.			1		01/14/1993	
	-	AE3	6,251,594 B1	06/26/2001	Gonzalgo et al.		-	11	-	06/09/1998	
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	AS	<u>6</u>	Lewis, M. Polymera Biology (1	se II," <i>J. Biol.</i> C	s, R.R., "Transcription o Chem. 255:4928-4936, A	of Simian Virus 40 American Society f	DNA by Wheat Ge or Biochemistry ar	erm RNA d Molecular
1	AT	<u>6</u>	Martin, C. 27:3966-3	T., <i>et al.</i> , "Proc 3974, Americar	cessivity in Early Stages n Chemical Society (198	of Transcription b	y T7 RNA Polyme	rase," Biochemistry
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	AS	7	Milligan, J.F., and Uhlenbeck, O.C., "Synthesis of Small RNAs Using T7 RNA Polymerase," <i>Methodenzymol.</i> 180:51-62, Academic Press, Inc. (1989)							
V	АŢ	Z	Montemagi motors," Na	Montemagno, C., and Bachand, G., "Constructing nanomechanical devices powered by biomolecular motors," <i>Nanotechnology</i> 10:225-231, IOP Publishing, Ltd. (1999)						
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	AS	8	Mullis, K.E Erlich, H.A	3., <i>et al.</i> , "The A., <i>et al.,</i> eds.,	Polymerase Chain Reac Cold Spring Harbor Labo	tion: Why It Works," i oratory Press, Woodt	n <i>Polymer</i> ase Cl oury, N.Y., pp. 23	nain Reaction, 7-243 (1989)
	AT	<u>8</u>	Nelson, P able to de (1989)	.S., <i>et al.</i> , "Bifu tect single bas	unctional oligonucleotide se pair mutations," Nucle	probes synthesized ic Acids Res. 17:718	using a novel CP 7-7194, Oxford U	G support are Iniversity Press
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	AS	9	Saiki, R.k Polymera	K., <i>et al.</i> , "Prime se," <i>Science 2</i>	er-Directed Enzymatic An 39:487-491, American A	nplification of DNA v ssociation for the Ad	vith a Thermostab vancement of Sci	le DNA ence (1988)
	АТ	9	Oligonuc	D., and Striepe leotides and Ar 200-201 (1992	eke, S., "Oligonucleotides nalogues: A Practical App ()	oroach, Eckstein, F.,	ea., Oxford Unive	ersity Press pp.
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R	AR	<u>10</u>	Polymerase	., et al., "Detect Chain Reactio 9-203(1989)	tion of Targeted Gene Modifica n, Edich, H.A., <i>et al.,</i> eds., Co	ations by Polyl Id Spring Harb	merase Chain R or Laboratory P	teaction," in ress, Woodbury,
	AS	<u>10</u>	Sproat, B.S., et al., "The synthesis of protected 5□-mercapto-2□,5□-dideoxyribonucleoside-3□-O-phosphoramidites; uses of 5□-mercapto-oligodeoxyribonucleotides," <i>Nucleic Acids Res.</i> 15:4837-484 Oxford University Press (1987)					
	AT	<u>10</u>	Walker, G.T., et al., "Isothermal in vitro amplification of DNA by a restriction enzyme/DNA polymeras system," <i>Proc. Natl. Acad. Sci. USA 89</i> :392-396, National Academy Press (1992)					
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A	AR	11	Zuckerman synthetic ol	n, R., <i>et al.</i> , "Effi igodeoxyribonud	cient methods for attachment eleotides," <i>Nucleic Acids Res</i> .	t of thiol specifi 15:5305-5321	ic probes to the , Oxford Univer	3⊡-ends of sity Press (1987)
	AS	11	Daube et al., "Functional Transcription Elongation Complexes from Synthetic RNA-DNA Bubble Complexes," Science, 1992, vol. 258, pages 1320-1324					
J	AT	11	Mancini et al, "Constitutively Methylated CpG Dinucleotides as Mutation Hot Spots in the Retinoblastoma Gene (RB1), American Journal of Human Genetics, 1997, vol. 61, pages 80-87					
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	AS	<u>12</u>	Antequerra, Acad. Sci. U	F., and Bird, <i>ISA 90</i> :1199	A., "Number of CpG is 5-11999, National Aca	slands and genes in demy of Sciences (n human and mous 1993)	e," <i>Proc. Natl</i> .
	АТ	<u>12</u>	Callahan, R., et al., "Frequent Mutations in Breast Cancer," Ann. N.Y. Acad. Sci. 698:21-30, New York Academy of Sciences (1993)					
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	AS	<u>13</u>	Esteller, M., et al., "Promoter Hypermethylation and BRCA1 Inactivation in Sporadic Breast and Ovarian Tumors," <i>J. Natl. Cancer Inst.</i> 92:564-569, Oxford University Press (April 2000). (Retrieved from LexisNexis Academic database)					
	АТ	<u>13</u>	Frommer, M., et al., "A genomic sequencing protocol that yields a positive display of 5-methylcytosine residues in individual DNA strands," <i>Proc. Natl. Acad. Sci. USA 89</i> :1827-1831, National Academy of Sciences (1992)					
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	AS	<u>14</u>	Gupta, K.C. oligonucleo	Gupta, K.C., et al., "A general method for the synthesis of 3'-sulfhydryl and phosphate group containing oligonucleotides," Nucleic Acids Res. 19:3019-3025, Oxford University Press (1991)					
V	AT	<u>14</u>	Aberrant DI	Herman, J.G., et al., "Inactivation of the CDKN2/p16/MTS1 Gene Is Frequently Associated with Aberrant DNA Methylation in All Common Human Cancers," Cancer Res. 55:4525-4530, American Association for Cancer Research (1995)					
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	AS	<u>15</u>	Horii, A., et al., "Frequent Replication Errors at Microsatellite Loci in Tumors of Patients with Multiple Primary Cancers," Cancer Res. 54:3373-3375, American Association for Cancer Research (1994)					
V	AT	<u>15</u>	Issa, JP.J., et al., "Methylation of the oestrogen receptor CpG island links ageing and neoplasia in human colon," <i>Nat. Genet.</i> 7:536-540, Nature Publishing Co. (1994)					
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A	AR	<u>16</u>	Jin, D.J., "Ar Abortive Initi	n Escherichia co ation Products,'	oli RNA Polymerase De ' <i>J. Mol. Biol.</i> 236:72-8	efective in Trans 0, Academic Pr	scription due to its O ress Limited (1994)	verproduction of
	AS	<u>16</u>	Langer, P.R., et al., "Enzymatic synthesis of biotin-labeled polynucleotides: Novel nucleic acid affinity probes," <i>Proc. Natl. Acad. Sci. USA 78</i> :6633-6637, National Academy of Sciences (1981)					
	AT	<u>16</u>	Loeb, L.A., "Mutator Phenotype May Be Required for Multistage Carcinogenesis," <i>Cancer Res.</i> 51:3075-3079, American Association for Cancer Research (1991)					
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	AS	17	Nowell, P.C., "The Clonal Evolution of Tumor Cell Populations," <i>Science 194</i> :23-28, American Association for the Advancement of Science (1976)					
	AT	Palmisano, W.A., et al., "Predicting Lung Cancer by Detecting Aberrant Promoter Methylation in Sputum," Cancer Res. 60:5954-5958, American Association for Cancer Research (November 2000)						
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A.	AR	20	Vogelstein, B., and Kinzler, K.W., "The multistep nature of cancer," <i>Trends Genet.</i> 9:138-141, Elsevier Science Publishers Ltd. (1993)							
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